| Index of Claims |  |
|-----------------|--|
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Rejected

Allowed

| Applicati n/Control No. | Applicant( )/Patent under Reexaminati n |
|-------------------------|---|
| 10/747,629              | CHEAURE ET AL.                          |
| Examiner                | Art Unit                                |
| Jila M. Mohandesi       | 3728                                    |

| ###15 1##25 #1#15 (#### #1 | CB 21816 1615 1991 | Jila M | . Mohand |
|----------------------------|--------------------|--------|----------|
|                            |                    |        |          |
|                            |                    |        |          |

| - | (Through numeral)<br>Cancelled | N | Non-Elect d  | A | Appeal   |
|---|--------------------------------|---|--------------|---|----------|
| + | Restricted                     | 1 | Interference | 0 | Objected |

| Cla  | im       |          | ~          | ,        | _        | Dat      | e        |              |        | $\neg$              | ٢    | Cla   | im       |          | _        | _        |          | ate      |          |          |          |          |   | CI           | aim      |          |          |           |           | ate      | ,  |          |          |          |
|--|----------|----------|------------|----------|----------|----------|----------|--------------|--------|---------------------|------|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---|--------------|----------|----------|----------|-----------|-----------|----------|--|----------|----------|----------|
|  | $\neg$   |          | 1105/24/06 | -        | Г        | Т        | T        | Γ            | Т      | П                   | Γ    |       |          |          |          | 7        |          |          |          | Т        |          |          |   |              | =        | П        | П        | ٦         | $\neg$    | $\neg$   |  |          |          |          |
| न्न  | Original |          | 2,         |          |          | 1        |          | L            | 1      | 1 1                 |      | Final | Original |          |          |          |          | - 1      |          | - 1      | 1        |          |   | Final        | Original | - 1      |          |           |           |          |  | 1        | - 1      | - 1      |
| Final  | Ē        |          | /          |          |          | 1        |          | ı            |        | 1 1                 |      | Ē     | ·&       |          |          |          |          | -        |          |          | 1        |          |   | ᇉ            | [ 꽃 ]    |          | - 1      |           |           |          |  | 1        | ŀ        | - 1      |
| -  | 0        |          | 5          |          |          |          | 1        | ı            | 1      | 1 1                 | - 1  | _     | 0        |          |          | ١        |          | - 1      |          |          |          |          |   |              | 0        |          | - 1      |           |           |          |  |          | - }      | - 1      |
| <del>                                     </del> | 10       | $\dashv$ | Ŧ          | _        | -        | ✝        | ┪        | ╁            | +-     | Н                   | ŀ    |       | 51       | Н        |          | 一        | $\dashv$ | ┪        | ┪        | 7        | _        |          |   |              | 101      | 寸        | ┪        | _         | $\neg$    |          |  |          | 7        | $\neg$   |
| <del>  </del>                                    | 2        | $\dashv$ | 7          | _        | ╁╴       | ╁        | +-       | ┪            | 1-     | Н                   | ŀ    |       | 52       | Н        | Н        | ᅥ        |          | ┪        | ┪        | 7        | $\neg$   |          |   | $\vdash$     | 102      | _        | 7        |           |           |          |  | $\Box$   |          | $\neg$   |
| $\vdash$   | 3        | -        | +          | _        | ┝        | ┿        | ┼-       | ╁            | +      | Н                   | H    |       | 53       | Н        | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | ┪        | 1        | _        | Н        |   |              | 103      | ┪        | _        | ┪         |           |          |  |          | ┪        | ヿ        |
| <del>  </del>                                    | 4        | -        | +          | _        | ├        | ╁╾       | ┼-       | ╀            | +      | Н                   | ŀ    |       | 54       | -        | -        | $\dashv$ | $\dashv$ | 一        |          | +        | -        | Н        |   | $\vdash$     | 104      | ┪        | ┪        | -         | -         |          | $\dashv$   |          | 7        | ヿ        |
| $\vdash$   | 5        | -        | н          | _        | ⊢        | ╁╌       | ╀        | 1-           | ┿      | Н                   | ŀ    |       | 55       | -        | Н        | -        | $\neg$   | 一        | ┪        | -        | -        | Н        |   | $\vdash$     | 105      | -        | +        | ┪         | $\neg$    |          |  |          | ヿ        | ᅱ        |
| $\vdash$   |          | -        | +          | _        | ı        | ╀        | ╀        | ┨            | +      | Н                   | ŀ    |       | 56       | $\vdash$ | -        | -        | $\neg$   | $\dashv$ | ┪        |          | $\dashv$ |          |   | <del></del>  | 106      | $\dashv$ | -        | ┪         | $\neg$    |          |  |          | _        | ┪        |
| <del></del>                                      | 6        | -        |            | _        | ├        | ╁        | ┼-       | 1            | +-     | ┥                   | ŀ    |       | 57       |          | Н        | -1       | $\dashv$ | $\dashv$ | $\dashv$ | ┪        | -        | Н        |   | $\vdash$     | 107      | ┪        | ┪        | -         |           | $\dashv$ |  | $\dashv$ | 7        | 一        |
| $\vdash \vdash$                                  | 7        | $\dashv$ | 211        | _        | ╌        | ╀╌       | ╀        | ╄            | +-     | Н                   | ŀ    |       | 58       | $\vdash$ |          | -        | -        | $\dashv$ | ┪        | ┪        | -        | Н        |   | <del> </del> | 108      | ┪        | 寸        | -1        | Н         |          |  | 7        | -        | ┪        |
| <b>├</b> ──┼                                     | _        | -        | 2          | _        | ⊢        | ╀        | ╀        | ╀            | ╁      | Н                   | H    |       |          | Н        | $\vdash$ | -        | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | -        | Н        |   |              | 109      | ┪        | ┪        | ┪         |           | -        | $\vdash$   | $\dashv$ | 7        | 一        |
| $\vdash$   | 2        | -        | 7          | _        | ┞        | ╀        | ╀        | ╄            | ╂      | ╀┥                  | ŀ    |       | 59<br>60 |          | $\vdash$ | $\dashv$ |          | $\dashv$ |          | ↤        |          | Н        |   | $\vdash$     | 110      | -        | -        | -         | $\dashv$  | $\dashv$ | Н  | 1        | ┪        | $\dashv$ |
|  | 90       | -        | V          | _        | ┞        | ╄        | +-       | ╀            | ╨      | ₩                   | ŀ    |       |          |          | Н        | $\dashv$ |          | -        | $\dashv$ | ┥        |          | Н        |   | ├            | 111      | $\dashv$ | +        | -         | $\dashv$  | _        | $\vdash$   | $\vdash$ | -        | ᅥ        |
| $\sqcup$   | 11       | _        | 4          | _        | -        | +        | ╄        | ╀            | +      | ₩                   | -    |       | 61       | Н        | $\vdash$ | -        | -        | $\dashv$ | -        | -+       | -        | $\vdash$ | l | <b>—</b>     | 112      | -+       | $\dashv$ | -1        | $\dashv$  | $\dashv$ | $\vdash$   | Н        | -        |          |
| $\sqcup$   | 12       |          |            | _        | <u> </u> | +        | ╄-       | +            | 4      | ш                   | ŀ    |       | 62       | Ш        | $\vdash$ | -        | $\dashv$ | $\dashv$ |          | -        | -        | Н        |   |              |          | -+       | +        | $\dashv$  | -         | $\dashv$ | -  | $\vdash$ | -+       | ┥        |
|  | 18       | _        | Ш          |          | <b>!</b> | -        | ļ.,      | ┡            |        | ┦                   | ŀ    |       | 63       |          |          | -        |          | _        | -1       |          | _        | $\vdash$ | l | <u> </u>     | 113      | -+       | -+       |           | $\dashv$  | -        | $\vdash$   | $\vdash$ | -+       | -        |
|  | 10       | _        | Ш          |          | _        | 1        | ļ.,      | ╀            | 4_     | ┦                   | L    |       | 64       | Ш        | $\vdash$ | _        |          |          | -        | -1       | _        | Н        | l | $\vdash$     | 114      | -+       | +        | -         |           | $\dashv$ | $\dashv$   | ┝╼┤      | -        |          |
| $ldsymbol{\sqcup}$                               |          |          | Ÿ          | _        | <u> </u> | _        | ↓_       | ┖            | _      | ₩                   | L    |       | 65       | Ш        | $\Box$   | _        | _        | _        | -        |          | _        | $\vdash$ | l | —            | 115      | -        | -+       | -         | -         | -        | $\vdash$   | $\dashv$ | -        |          |
| oxdot  | 66       |          | []         |          | _        | 1_       | 上        | ┺            | 丄      | Ш                   | Ļ    |       | 66       | $\Box$   | Ш        | _        |          | _        | _        | 4        | _        |          |   | <u> </u>     | 116      | -1       | +        |           | $\dashv$  |          | ш  | $\vdash$ | -        |          |
|  | 17       |          | 4          | _        | 匚        | L        | ┖        | 1_           | _      | Ш                   | L    |       | 67       |          |          |          | _        | _        | _        |          | _        | Щ        |   | ├            | 117      | _        |          |           | $\square$ | $\dashv$ | Н  |          |          |          |
|  | 18       |          |            |          |          |          | L        | L            |        | Ш                   | L    |       | 68       |          |          |          |          | $\Box$   | _        | _        |          | Щ        |   |              | 118      | _        | _        | _         | Щ         | _        |  |          | -        |          |
|  | 19       |          | $\Box$     |          |          |          |          |              | 1      | Ш                   | L    |       | 69       |          |          |          |          | Ц        | _        | _        |          | Ш        |   | <u> </u>     | 119      | _        | _        | _         | $\Box$    |          |  | $\Box$   | _        |          |
|  | 20       |          | #          |          |          | Г        | L        | $\mathbf{L}$ |        |                     |      |       | 70       |          |          |          |          |          |          | _        |          |          |   | <u> </u>     | 120      | _        | 4        | _         | _         |          |  | Ш        | _        | _        |
|  | 21       |          |            |          |          |          | Т        | Г            | Т      |                     |      |       | 71       |          |          |          |          |          |          |          |          |          |   |              | 121      | _        | _        | _         |           |          |  | Щ        | _        | _        |
|  | 22       |          |            |          | П        | Τ        | Т        | Т            | Т      | П                   | Γ    |       | 72       |          |          |          |          |          |          |          |          |          |   | L            | 122      | _        | _        |           |           |          |  | Щ        | _        | _        |
|  | 23       |          |            |          |          | Т        | Т        | Т            | T      | П                   |      |       | 73       |          |          |          |          |          |          |          |          |          | ĺ |              | 123      | _        | ┙        |           | Ш         |          |  | Щ        | _        | _        |
|  | 24       |          |            |          |          | Т        | Т        | Т            | Т      | П                   | [    |       | 74       |          |          |          |          |          |          |          |          |          |   |              | 124      |          | $\perp$  |           |           |          |  | Ш        | _        | _        |
|  | 25       |          |            |          |          | Τ        |          | Т            | $\top$ | П                   |      |       | 75       |          |          |          |          |          |          |          |          |          |   |              | 125      |          |          |           |           |          |  |          |          | _        |
|  | 26       |          |            |          |          |          | 1        | 1            | $\top$ | П                   | ſ    |       | 76       |          |          |          |          |          |          |          |          |          |   | Ĺ.,          | 126      |          | $\perp$  |           |           |          |  |          |          |          |
|  | 27       |          | _          | _        |          |          | ✝        | 1            |        | П                   | ı    |       | 77       | П        |          |          |          |          |          | $\neg$   |          |          |   |              | 127      |          | П        |           |           |          |  |          |          |          |
|  | 28       |          | Т          | _        |          | $\vdash$ | 1        | ⇈            | 1      | П                   | Ī    |       | 78       | Т        |          |          |          |          |          | $\neg$   |          |          |   |              | 128      | $\Box$   |          |           |           |          |  |          |          |          |
| $\vdash$   | 29       | _        |            |          | T        | 1        | T        | +            | 1      | П                   | Ì    |       | 79       |          |          |          |          |          |          | $\neg$   |          |          |   |              | 129      | П        | П        |           |           |          |  |          |          |          |
| <del></del>                                      | 30       | _        |            |          | ┢        |          | 1        | 1            | 1      | $\vdash$            | ı    |       | 80       |          |          |          |          |          |          | コ        |          |          |   |              | 130      | $\neg$   | П        |           |           |          |  | П        |          |          |
| $\vdash$   | 31       | _        | -          | _        | ╁╴       | 1        | 1        | †            | +-     | H                   | 1    |       | 81       | Н        | Н        |          |          |          |          | ╗        |          |          |   |              | 131      |          | $\neg$   |           |           |          |  |          |          |          |
| $\vdash$   | 32       | -        | -          | _        | ┢        | 1        | +        | T            | +      | Н                   | ı    |       | 82       | П        | Н        |          |          |          |          | _        |          | П        |   |              | 132      | $\neg$   | 一        |           |           |          |  | П        | $\neg$   |          |
| $\vdash$   | 33       | -        | $\vdash$   | _        | $\vdash$ | $\vdash$ | ✝        | t            | +      | Н                   | ŀ    |       | 83       | Н        | Н        | $\neg$   | $\vdash$ |          | $\neg$   | 一        |          |          |   |              | 133      | _        | $\dashv$ |           |           |          |  | П        | $\neg$   |          |
| $\vdash \vdash \vdash$                           | 34       | $\dashv$ | Н          | _        | $\vdash$ | ✝        | 1        | 十            | +-     | Н                   | ı    |       | 84       | Н        | Н        |          |          |          | $\neg$   | 7        | _        | П        |   | -            | 134      |          | 7        | $\neg$    |           |          |  |          |          |          |
| $\vdash$   | 35       | $\dashv$ | $\vdash$   | _        |          | t        | $\vdash$ | t            | 1      | Н                   | ı    | _     | 85       | Н        | Н        |          | П        |          | $\neg$   | $\neg$   |          |          | 1 |              | 135      |          | _        |           |           |          |  | П        |          |          |
| ┝╌┤  | 36       | -        | -          | _        | 1        | $\vdash$ | +        | ┢            | +      | H                   | ŀ    |       | 86       | H        | Н        | -        | $\vdash$ | $\vdash$ | $\neg$   | -1       |          | П        | 1 |              | 136      | $\dashv$ | ┪        |           | М         |          |  | П        | $\neg$   | $\neg$   |
| ├─┤  | 37       | -        | ⊢          | -        | +-       | +        | $\vdash$ | ٢            | +      | Н                   | ŀ    |       | 87       | Н        | Н        | Н        |          |          | $\neg$   | -1       |          | Н        | 1 |              | 137      | ╗        |          | $\exists$ | П         | П        |  | П        | ╛        |          |
| ┝─┤  | 38       | -        | $\vdash$   | $\vdash$ | ├        | ┰        | +        | ╁            | +      | $\vdash$            | H    |       | 88       | Н        | $\vdash$ | $\dashv$ | Н        | $\dashv$ | $\neg$   | ᅥ        | _        | Н        | l |              | 138      | -1       | -        | $\neg$    | Н         |          |  | Н        | _        |          |
| ┝─┤  | 39       | -        |            | -        | $\vdash$ | +        | ╁        | ╁            | +-     | H                   | ŀ    |       | 89       | Н        | Н        | Н        | Н        | $\dashv$ | -        | -1       |          | Н        |   | <b>—</b>     | 139      | -1       | ┪        |           | Н         | _        | Т  | Н        | $\dashv$ | ᅱ        |
| ┝╌┤  | 40       | -        | $\vdash$   | -        | $\vdash$ | ╁        | -        | ╀            | +      | $\vdash$            | - }  |       | 90       | Н        | Н        | $\dashv$ | -        | $\vdash$ | $\dashv$ | $\dashv$ |          | $\vdash$ |   | -            | 140      | -1       | $\dashv$ |           |           | -        | $\vdash$   | Н        | ┪        | Н        |
| $\vdash \vdash \vdash$                           |          | -        | -          | -        |          | ╀        | +        | ╁            | +      | $oldsymbol{arphi}$  | ŀ    |       | 91       | $\vdash$ | Н        | Н        | $\vdash$ | $\vdash$ | $\neg$   |          |          | -        |   | $\vdash$     | 141      | -1       | +        | -         | Н         | Н        | $\vdash$   | Н        | $\dashv$ | $\dashv$ |
| ┝╌┤  | 41       | 4        | H          | -        | 1        | +        | +        | +            | +-     | $\vdash$            | 1    |       | 92       | Н        | Н        | $\dashv$ | Н        | $\vdash$ | -        | $\dashv$ | _        | -        |   | <b>—</b>     | 142      | $\dashv$ | -        | -         | Н         | Н        | -  | Н        | $\dashv$ | $\dashv$ |
| ⊢⊢   | 42       | _        | <b>-</b>   | -        | -        | +        | -        | ╁            | ╫      | $\vdash$            | ŀ    |       |          | -        | Н        | H        | Н        | Н        | -        | $\dashv$ | _        | -        | 1 |              | 143      | -1       | -        | -         | Н         | Н        | -  | Н        | -        | $\vdash$ |
| ┝─┤  | 43       | _        | Ь.         | $\vdash$ | 1-       | ╀        | ╀        | ╀            | +-     | ↤                   | -    |       | 93       | Н        | H        | Н        | H        | Н        |          |          | _        | $\vdash$ |   | <del></del>  | 144      |          | $\dashv$ | -         | H         | $\vdash$ | -  | H        |          | $\dashv$ |
| igwdown  | 44       | -4       | <u> </u>   | <u> </u> | $\vdash$ | +        | ╄        | ╄            | +      | ₩                   | -    |       | 94       | -        | Н        | Н        | ш        | Н        | $\vdash$ | -        |          | -        |   | <b>-</b>     | 145      | $\dashv$ | -        | -         | H         | ⊢        | <del>                                     </del> | Н        | $\dashv$ | Н        |
| igwdapsilon                                      | 45       | _        | <u> </u>   | <b>!</b> | -        | +        | ╄        | +-           | +      | $oldsymbol{\sqcup}$ | - }- |       | 95       | -        | Н        | Н        | Н        | Н        |          |          | _        | -        |   | <b>—</b>     |          |          | $\dashv$ | -         | H         | ├        | -  | Н        |          | Н        |
| ┷  | 46       | _        | ш          | L        | <b>⊢</b> | ↓_       | +        | ╀-           | 4-     | ┦┦                  | L    |       | 96       | <u> </u> | Ш        | Щ        | Щ        | Н        | Щ        | _        | _        | <b>—</b> |   | <b>—</b>     | 146      |          | -+       |           | $\vdash$  | ⊢        | ├-   | Н        | -        | $\dashv$ |
| $\sqcup \sqcup$                                  | 47       | _        | <u> </u>   | L        | <b>L</b> | 1_       | ┺        | 1            | +      | $\sqcup$            | L    |       | 97       | -        | Ш        | Ш        | $\vdash$ | Щ        |          | _        | _        | <b>—</b> |   | <u></u>      | 147      |          | -        | _         | Ι         | ├        | -  | Н        | -        | H        |
| $\square$  | 48       |          | Щ.         | L        | <b>!</b> | ┺        | $\perp$  | ╀            | 4-     | ш                   | L    |       | 98       | <u> </u> | Щ        | Ш        | Ш        | Щ        | Щ        | $\Box$   |          | _        |   |              | 148      | Щ        | _        | _         |           |          | <del> </del>                                     | Н        | $\vdash$ | $\vdash$ |
| $\sqcup$   | 49       | _        | _          | L        | L        | 1_       | 4        | ╀            | _      | ш                   | L    |       | 99       | _        | Ш        | Ш        |          | Щ        |          | Ш        |          | -        |   | <b>—</b>     | 149      |          | -        | _         | -         |          | <del> </del>                                     | $\vdash$ | -        | -        |
| 1 1  | 50       |          | L          | Ļ        | 乚        | L        | 1_       | L            |        | ш                   | Ĺ    |       | 100      |          | ш        | Ш        | Ŀ        | لــا     |          | Ш        |          |          | } | <u></u>      | 150      |          |          |           | ட         |          | <u> </u>   |          | لبا      |          |